

What is claimed is:

- 1 1. A method comprising:
2 setting an update to data of a memory to a valid
3 status; and
4 changing an original version of the data to a backup
5 status.
- 1 2. The method of claim 1, further comprising
2 invalidating the original version if the update is
3 committed.
- 1 3. The method of claim 2, further comprising
2 reclaiming a space in the memory including the original
3 version.
- 1 4. The method of claim 1, further comprising
2 reinstating the original version if the update is aborted.
- 1 5. The method of claim 1, wherein changing the
2 original version comprises changing a count value
3 associated with the original version.
- 1 6. The method of claim 1, wherein setting the update
2 comprises associating a count value with the update.
- 1 7. The method of claim 1, further comprising:

2 setting a second update to the data to the valid
3 status; and
4 changing the update to the backup status.

1 8. The method of claim 7, further comprising
2 unwinding from the second update to one of the update or
3 the original version.

1 9. A method comprising:
2 associating a count with a first modification to a
3 data object, the count indicative of a valid status.

1 10. The method of claim 9, further comprising
2 associating the count with a second modification to the
3 data object.

1 11. The method of claim 10, further comprising
2 associating the first modification with a second count
3 indicative of a backup status.

1 12. The method of claim 9, further comprising
2 associating a second count with an original version of the
3 data object, the second count indicative of a backup
4 status.

1 13. The method of claim 12, further comprising
2 invalidating the original version.

1 14. The method of claim 12, further comprising
2 reinstating the original version if an abort operation
3 occurs.

1 15. An article comprising a machine-readable storage
2 medium containing instructions that if executed enable a
3 system to:
4 associate a count with a first modification to a data
5 object, the count indicative of a valid status.

1 16. The article of claim 15, further comprising
2 instructions that if executed enable the system to
3 associate the count with a second modification to the data
4 object.

1 17. The article of claim 16, further comprising
2 instructions that if executed enable the system to
3 associate the first modification with a second count
4 indicative of a backup status.

1 18. A system comprising:

2 at least one storage device to store code to associate
3 a count with a first modification to a data object, the
4 count indicative of a valid status; and
5 an antenna coupled to the at least one storage device.

1 19. The system of claim 18, further comprising a
2 coprocessor coupled to the at least one storage device to
3 perform the code.

1 20. The system of claim 19, wherein the coprocessor
2 comprises a stacked processor of a multi-level flash
3 memory.

1 21. The system of claim 18, wherein the at least one
2 storage device further comprises code to associate the
3 count with a second modification to the data object.

1 22. An apparatus comprising:
2 at least one storage device to store code to set an
3 update to data of a memory to a valid status and to change
4 an original version of the data to a backup status.

1 23. The apparatus of claim 22, further comprising
2 second code to invalidate the original version if the
3 update is committed.

1 24. The apparatus of claim 22, wherein the memory
2 comprises a flash memory.

1 25. The apparatus of claim 24, further comprising a
2 coprocessor coupled to the flash memory to perform the
3 code.